CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.08/MBH/CEMENT/2013-14

Date: 20.06.2013

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. M.B. Hombal,** Contractor, Bangalore.
NAME OF THE WORK	:	Providing chain link fencing for the Sy No.15 at C.Q.A.L Main Road (lions road) in Ward No.08 in Kodigehalli Sub Division, BBMP, Bangalore.
REFERENCE	:	EE/BTP/BBMP/E-TND/230/2012-13 Dated: 29.12.2012
SAMPLE ID	:	CEMENT
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 1989-2013
1	Standard Consistency	IS-4031 (Part -4)	29.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	485 Minutes	Not More than 600 Minutes
3	Soundness by the Le-Chatelier method	IS-4031 (Part 3)	1 mm	Not more than 10 mm

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Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CTCE/BBMP/W.No.08/MBH/SAND/2013-14 : 20.06.2013

TEST REPORT ON FINE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. M.B. Hombal,** Contractor, Bangalore.

Name of Work : Providing chain link fencing for the Sy No.15 at C.Q.A.L Main Road (lions road) in Ward No.08 in Kodigehalli Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-TND/230/2012-13 Dated: 29.12.2012

Date of Testing : 20.06.2013

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	45	4.50	4.50	95.5	90-100
2.36	150	15.00	19.50	80.5	75-100
1.18	245	24.50	44.00	56.0	55-90
600 Micron	200	20.00	64.00	36.0	35-59
300 Micron	190	19.00	83.00	17.0	8-30
150 Micron	125	12.50	95.50	4.5	0-10

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Job No.: CTCE/BBMP/W.No.08/MBH/AGG/2013-14 : 20.06.2013

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. M.B. Hombal,** Contractor, Bangalore.

Name of Work : Providing chain link fencing for the Sy No.15 at C.Q.A.L Main Road (lions road) in Ward No.08 in Kodigehalli Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-TND/230/2012-13 Dated: 29.12.2012

Date of Testing : 20.06.2013

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **10000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	250	2.50	2.50	97.50	95-100
20	6200	62.00	64.50	35.50	30-70
10	2000	20.00	84.50	15.50	10-35
4.75	1350	13.50	98.00	2.00	0-5

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Job No.: CTCE/BBMP/W.No.08/MBH/CUBE/2013-14

29.07.2013

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.
Agency	: **Mr. M.B. Hombal,** Contractor, Bangalore.
Name of the work	: Providing chain link fencing for the Sy No.15 at C.Q.A.L Main Road (lions road) in Ward No.08 in Kodigehalli Sub Division, BBMP, Bangalore.
Reference	: EE/BTP/BBMP/E-TND/230/2012-13 Dated: 29.12.2012
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2013	29.07.2013	8.150	352.3	15.66
2	01.07.2013	29.07.2013	8.256	363.2	16.14
3	01.07.2013	29.07.2013	8.300	375.8	16.70

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